

KECHKER, V.I., kand.med.nauk; POTEKAYEV, N.S., kand.med.nauk; NAUMUSHKINA, R.Z.

Experience in the study of the complement fixation reaction with
toxoplasmosis antigen in patients with neurofibromatosis. Vest.
derm. i ven. 37 no.1:56-58 Ja'63. (MIRA 16:10)

1. Iz Ryazanskogo oblastnogo kozhno-venerologicheskogo dispar-
sera i kafedry kozhnykh bolezney (zav. - prof. D.L.Voronov)
Ryazanskogo meditsinskogo instituta imeni I.P.Pavlova.
(COMPLEMENT FIXATION) (TOXOPLASMOSIS)
(NEUROFIBROMATOSIS)

POTEKAYEV, N.S., kand.med.nauk; NIKOLAYEVA, L.P., kand. med. nauk.

Study of the state of the skin in workers of the Ryazan
Artificial Fiber Plant. Vest. dermat. i ven. 36 no.10:29-31
0'62 (MIRA 16:11)

1. Iz kafedry kozhnykh i venericheskikh bolezney (zav. - prof.
D.L. Voronov) Ryazanskogo meditsinskogo instituta imeni aka-
demika I.P.Pavlova.

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RAKHMANOV, V.A., prof.; POTEKAYEV, N.S.

Professor Ivan Fedorovich Zelenov; on the centennial of his
birth. Vest.derm. i ven. 34 no.11:61-63 N '60. (MIRA 13:12)

(BIOGRAPHIES)

POTEKAYEV, N.S., Cand Med Sci -- (diss) "Data for a ~~xxxxxx~~
history of the chair of skin and venereal diseases of the
First Moscow Order of Lenin Medical Institute im I.M.
Sechenov." Mos 1958, 16 pp. 200 copies (KL, 39-58, 112)

- 70 -

POTEKAYEV, N.S.

Colophony reaction with the cerebrospinal fluid in the diagnosis of syphilis. Vest. vener., Moskva no.2:45-47 Mar-Apr 1953. (GLML 24:3)

1. Assistant Departmental Physician. 2. Of the Department of Skin and Venereal Diseases (Head -- Prof. V. A. Rakhmanov), First Moscow Order of Lenin Medical Institute.

RAKHMANOV, V.A., professor; POTEKAYEV, N.S., ordinator

Instruction in dermatology and venereology at the medical school of the University of Moscow before the organization of a special department. Vest.ven. i derm. 30 no.2:38-42 Mr-Apr '56. (MLRA 9:7)

1. Iz kafedry kozhnykh i venerologicheskikh bolezney I MOIMI (zav. prof. V.A.Rakhmanov)

(VENEREAL DISEASES

hist. of venereol. educ. in Russia)

SOLOMINA, Ye.N., POTEKAYEVA, M.A.

Clinical anatomical characteristics of nephritis in chronic septic endocarditis. Vest. ANU SSSR 16 no.12:33-39 '61. (MIRA 15:2)

1. Kafedra propedevticheskoy i gospi'tal'noy terapii sanitarno-gigiyenicheskogo fakul'teta I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M.Sechenova na baze 24-y gorodskoy bol'nitsy.
(ENDOCARDITIS) (KIDNEYS--DISEASES)

CA 13

Cork substitute. N. M. Potekh and S. A. Pavlov.
 Russ. 39,380, Oct. 31, 1934. A cork-like mass is prepd.
 from the waste obtained in the manuf. of wood pulp.
 This waste is pressed to a H₂O content of about 50%,
 mixed with molten commercial gelatin, about 2% tannin
 is added and the mass is formed and dried.

ASD 554 METALLURGICAL LITERATURE CLASSIFICATION

POTEKHA, N. G.: Master Agric Sci (diss) -- "The effect of cutting time on the harvest, loss, and quality of winter wheat". Krasnodar, 1958. 17 pp (Min Higher Educ USSR, Kuban' Agric Inst), 160 copies (KL, No 6, 1959,139)

RAKHMANOV, V.A., prof.; POTEKAYEV, N.S., aspirant

Honored Professor N.P. Mansurov; 125th anniversary of his birth. Vest.
derm. i ven. 33 no.2:74-77 Mr-Apr '59. (MIRA 12:7)

1. Iz kafedry kozhnykh i venericheskikh bolezney (zav. - chlen-korre-
spondent AMN SSSR prof V. A. Rakhmanov) I Moskovskogo ordena Lenina
meditsinskogo instituta imeni I.M. Sechenova. 2. Chlen-korrespondent
AMN SSSR (for Rakhmanov).

(BIOGRAPHIES,

Mansurov, N.P. (Rus))

OGLOBLIN, K.A.; KALIKHEVICH, V.N.; POTEKHIN, A.A.; SEMENOV, V.P.

Interaction of nitrosyl chloride with unsaturated hydrocarbons. Part
9: Reaction with mono- and assym. disubstituted ethylenes. Zhur.ob.
khim. 34 no.1:170-181 Ja '64. (MIRA 17:3)

1. Leningradskiy gosudarstvennyy universitet.

OGLOBLIN, K.A.; POTEKHIN, A.A.

Synthesis and cleavage of dimers of β -chloro- α -nitroso
carbonyl compounds. Dokl. AN SSSR 159 no.4:853-856 D '62
(MIRA 18:1)

1. Leningradskiy gosudarstvennyy universitet im. A.A. Zhdanova.
Predstavleno akademikom A.N. Nesmeyanovym.

OGLOBLIN, K.A.; POTEKHIN, A.A.

Reaction of nitrosyl chloride with unsaturated compounds. Report
No. 19: Addition of nitrosyl chloride to α,β -unsaturated ketones
with a substituted vinyl group. Zhur.org.khim. 1 no.3:408-415
Mr '65. (MIRA 18:4)

1. Leningradskiy gosudarstvennyy universitet.

L 42111-65 EPF(c)/EWP(j)/EWA(c)/EWT(m) PC-4/Pr-4 RM S/0366/65/001/003/0408/0415
 ACCESSION NR: AP5008714

AUTHORS: Ogloblin, K. A.; Potekhin, A. A.

TITLE: Reaction of nitrosyl chloride with unsaturated compounds. 19. Adding nitrosyl chloride to α, β -unsaturated ketones with the substituted vinyl group

SOURCE: Zhurnal organicheskoy khimii, v. 1, no. 3, 1965, 408-415

TOPIC TAGS: chloride, unsaturated compound, oxime

ABSTRACT: The authors previously showed that nitrosyl chloride attaches easily to α, β -unsaturated ketones that have an unreplaced vinyl group, forming β -chloro- α -isoximinosketones. The present paper deals with the behavior in this reaction of the α, β -unsaturated ketones with these alkyl substitutes. During the interaction between methyl propenyl ketone and nitrosyl chloride, 4-chloro-3-oximinopentanone-2 is produced. During reaction of nitrosyl chloride with methyl and phenyl isopropenyl ketone, under the same conditions, dimeric chloronitrosoketones not previously described in the literature were obtained: 1-chloro-2-nitroso-2-methyl butanone-3, 3-chloro-2-nitroso-1-phenyl-2-methyl propanone-1, and 4-chloro-3-nitroso-3-methyl pentanone-2. It was shown that on heating in methyl alcohol these dimeric ketones split along the carbon-carbon bonds, with the formation of α -chloroketone oximes.

Card 1/2

L 42111-65

ACCESSION NR: AP5008714

1-chloro-2-nitroso-2-methyl butanone-3 in an alcohol solution in the presence of diethylamine is split with the formation of diethylamine acetone oxime. In an alcohol solution of ammonia, triacetonamine trioxime is formed. All the reactions are described and the parameters of the resulting compounds are recorded. Orig. art. has: 6 formulas.

ASSOCIATION: Leningradskiy gosudarstvennyy universitet (Leningrad State University)

SUBMITTED: 13Feb64

ENCL: 00

SUB CODE: GC, OC

OTHER: 020

NO REF SOV: 004

Card 2/2 CC

ETERLEY, Nikolay Semenovich; POTEKHIN, Aleksey Andreyevich; SHKOL'NIKOV,
A.B., red.; DEYEVA, V.M., tekhn.red.

[Electric machinery] Elektricheskije mashiny. Moskva. Gos.izd-vo
sel'khoz.lit-ry, 1960. 299 p. (MIRA 13:6)
(Electric machinery--Study and teaching)

OGLOBLIN, K.A.; POTEKHIN, A.A.

Interaction of nitrosyl chloride with diallyl and bdivinyl.
Zhur.ob.khim. 31 no.7:2438-2439 J1 '61.

(MIRA 14:7)

1. Leningradskiy gosudarstvennyy universitet imeni A.A. Zhdanova.
(Nitrosyl chloride) (Hexadiene) (Butadiene)

OGIBELIN, S.A.; POTEKHIN, A.A.

Reaction of nitroxy chloride with unsaturated compounds.

Part 1: Reaction involving α, β -unsaturated aldehydes.

Zhur. org. Khim. 1 no.8:1352-1356 Ag '65.

(MIR 18-11)

1. Institute of Chemistry, Leningrad State University.

POTEKHIN, A.I.

Solving electrodynamic problems by using known solutions of
corresponding electrostatic and magnetostatic problems. Radiotekh.
1 elektron. 3 no.5:587-591 My '58. (MIRA 11:6)
(Electrodynamics)

FOR INFO, 1970

One case of anisotropy. Reference: J. Appl. Phys. 41, 100-101 (1970)
c 165. (MIRA 18:10)

POTEKHIN, A.I.; TARTAKOVSKIY, L.B.

Radiation of the Hertz dipole at the edge of an ideally conducting
wedge. Radiotekh. i elektron. 3 no.5:592-602 My '58. (MIRA 11:6)
(Radio waves)

AUTHOR: Potekhin, A.I.

109-3-5-1/17

TITLE: Solution of the Problems of Electrodynamics by Means of the Known Solutions of the Corresponding Problems of Electrostatics and Magnetostatics (Resheniye zadach elektrodinamiki po izvestnym resheniyam sootvetstvuyushchikh zadach elektrostatiki i magnitostatiki)

PERIODICAL: Radiotekhnika i Elektronika, 1958, Vol III, Nr 5, pp 587 - 591 (USSR)

ABSTRACT: It is pointed out that the components of the electrical field of an elementary electrostatic dipole are given by Eqs.(1), while those of an elementary electrodynamic dipole (Hertz dipole) are expressed by Eqs.(2). From these, it is seen that the fields can be expressed as a product of two functions (see Eqs. (3) and (4)) so that the relationship between the dynamic field and the electrostatic field can be expressed by Eq.(5). From the equation, it follows (provided the equation is valid) that it is possible to determine an electrodynamic field if the corresponding electrostatic field is known. Thus, the functions of the angular co-ordinates, i.e. $f_n(\varphi, \theta)$ are assumed as being known and the problem therefore consists of finding the functions $\chi_n(kr)$. The functions

Card1/3

109-3-5-1/17

Solution of the Problems of Electrodynamics by Means of the Known
Solutions of the Corresponding Problems of Electrostatics and
Magnetostatics

$f(\varphi, \theta)$ can be determined from Eq.(8), in which p is a parameter dependent on the boundary condition. The dynamic electric field components are then given by Eqs.(9). On the other hand, the functions $\chi_n(kr)$ can be determined from Eqs.(10) and (11) and are given by Eq.(14), in which $u = kr$. The dynamic electric field components can also be expressed by Eq.(15), in which the function $\chi(u)$ can be found from the differential equation expressed by Formula (16). The solution of this differential equation is in the form of the Hankel function, as expressed by Eq.(17). The dynamic components of the electric field can therefore be expressed by Eqs.(18), while by solving the second Maxwell equation, the dynamic magnetic field components are in the form of Eqs.(19). The above method of solution is valid under the following conditions: 1) the boundaries between various media should be in the form of conical surfaces having a common apex at the origin of the co-ordinates; 2) the electrodynamic field should be produced by a source situated at the origin of the co-ordinates.

Card2/3

109-3-5-1/10
Solution of the Problems of Electrodynamics by Means of the Known
Solutions of the Corresponding Problems of Electrostatics and
Magnetostatics

SUBMITTED: May 14, 1957

AVAILABLE: Library of Congress

Card 3/3 1. Electrodynamics-Mathematical analysis

AUTHORS: Potekhin, A.I. and Tartakovskiy, L.B. 109-3-5-2/17

TITLE: Radiation of the Hertz Dipole Situated at the Edge of an Ideally-conducting Wedge (Izlucheniye dipolya gertsy na kromke ideal'no provodyashchego klina)

PERIODICAL: Radiotekhnika i Elektronika, 1958, Vol III, Nr 5, pp 592 - 602 (USSR)

ABSTRACT: It was shown earlier (Ref.1) that the electrodynamic field of a system can be expressed by means of Eqs.(3), in which the function f should satisfy an electrostatic differential equation expressed by Formula (2). This method is applied to the evaluation of the field produced by a wedge formed of two ideally-conducting semi-planes (see Fig.1). The larger angle between the planes is δ and it is assumed that the axis z coincides with the edge of the system. If an electrostatic charge q is situated at a point M_0 , having cylindrical co-ordinates $z_0 = 0$, $R_0 = l$ and $\varphi_0 = \delta/2$, the electrostatic field potential can be expressed by Eq.(4), where $\beta = \pi/\delta$. For small l , the integral of Eq.(4) can be written as Eq.(5). If the product ql^β is maintained constant and equal to p_0 when $l \rightarrow 0$, the potential can be expressed

Card 1/5

109-3-5-2/17

Radiation of the Hertz Dipole Situated at the Edge of an Ideally-conducting Wedge

by Eq.(7). If the cylindrical co-ordinates are changed into spherical co-ordinates, Eq.(7) can be expressed as Eq.(8), so that the function f is given by Eq.(9). In the solution of the dynamic problem, it is assumed that the Hertz dipole has a moment as expressed by Eq.(12), in which I_0 is the current amplitude and l is the length of the dipole. The amplitude of the field components $E_0(k)$ of Eqs.(3) is given by Eq.(10) or, in terms of the dynamic moment, it can be expressed by Eq.(13). If expressions given by Eqs.(9) and (13) are substituted into Eqs.(3), the electric field components are given by:

Card 2/5

Radiation of the Hertz Dipole Situated at the Edge of an Ideally-
conducting Wedge 109-3-5-2/17

$$E_r = \frac{120(1 + \beta)k^\beta}{\Gamma(\beta)2^\beta} \frac{M^{AHH}}{r} h_{\beta}^{(1)}(kr) \sin^{\beta} \theta \sin \beta \varphi e^{-i\omega t}$$

$$E_{\theta} = \frac{120k^\beta}{\Gamma(\beta)2^\beta} \frac{M^{AHH}}{r} \frac{d}{dr} [rh_{\beta}^{(1)}(kr)] \frac{\cos \theta \sin \beta \varphi}{\sin^{1-\beta} \theta} e^{-i\omega t} \quad (14)$$

$$E_{\varphi} = \frac{120k^\beta}{\Gamma(\beta)2^\beta} \frac{M^{AHH}}{r} \frac{d}{dr} [rh_{\beta}^{(1)}(kr)] \frac{\cos \beta \varphi}{\sin^{1-\beta} \theta} e^{-i\omega t}$$

where $k = 120\pi\omega\epsilon_0$. The magnetic field components are expressed by Eqs.(15). For $\delta = 2\pi$, the wedge degenerates into a semi-plane. Eqs.(14) and (15) were employed to analyse this case graphically and the results are shown in

Card 3/5

Radiation of the Hertz Dipole Situated at the Edge of an Ideally-
conducting Wedge 109-3-5-2/17

Figs. 2 and 3. The semi-circles of Fig. 2 represent the curves of constant phase for various values of ϕ , while the thick line curves represent the constant current amplitude distribution. Similar curves are shown in Fig. 3, but these are plotted for small values of kx . The results for a right-angle wedge ($\beta = 2/3$) are shown in Figs. 4 and 5. The phase and current lines for a wedge having $\delta = \pi/2$ are given in Fig. 6, while the vertical radiation patterns for various values of σ are shown in Fig. 7. The power radiated by the dipole can be determined from Eq.(26). It is shown that the solution of this equation is given by:

$$P_{\Sigma} = 15I_0^2 \frac{(\beta + 1)(kl)^{2\beta}}{\beta(\beta + 1/2)\Gamma(2\beta)} \quad (28).$$

From the above, it is found that the radiation resistance of the system is expressed by Eq.(29). Fig. 8 shows the radiation resistance in ohms as a function of δ for two values of β .

Card4/5

Radiation of the Hertz Dipole Situated at the Edge of an Ideally-
conducting Wedge 109-3-5-2/17

There are 8 figures and 2 Soviet references

SUBMITTED: May 14, 1957

AVAILABLE: Library of Congress

Card 5/5

1. Dipoles-Radiation-Mathematical analysis

POTPEIN, A.I.

Speed of the propagation of electromagnetic waves in anisotropic media. Radiotekh. i elektron. 10 no.8:1528-1530 Aug '65.

(MIRA 18:8)

POTEMIN, A. I.

"Diffracted Poles in an Ideally Conducting Sphere," *Zhur. Eksp. i Teoret. Fiz.*,
17, No. 9, 1947;

"Diffraction of Electromagnetic Waves," (bk.), 1948.

VOL'PERT, A.R.; POTEKHIN, A.I.

Diffracting field of an ideal conducting sphere. *Zhur. eksp. i teor. fiz.*
17 no.9:807-813 '47. (MLRA 6:7)

(Diffraction) (Electric waves)

POTEKHIN, A. I.

Volpert, A. R., and Potekhin, A. I. The diffractive field of a perfectly conducting sphere. Akad. Nauk SSSR. Zhurnal Eksper. Teoret. Fiz. 17, 807-813 (1947). (Russian)

An exact solution to the problem of the diffraction of plane electromagnetic waves by a perfectly conducting sphere was given by G. Mie [Ann. Physik (4) 25, 377-445 (1908)]. The present paper adds, for the most part in graphical form, computational results for the phase and amplitude of the distant diffracted field in the directions respectively opposite to and coincident with the direction of propagation of the incident waves.

E. H. Linfoot.

Source: Mathematical Reviews,

Vol / No. 7

Smart

POTEKHIN, A. I.

PA 26T76

USSR/Physics

Sep 1947

Magnetic fields

Magnetic Effects

"Diffracted Poles in an Ideally Conducting Sphere," A. R. Vol'pert, A. I. Potekhin,
7 pp

"Zhur Eksper i Teoret Fiz" Vol XVII, No 9

PA 26T76

FDB

Physics, General

849. Diffracted poles in an ideally conducting sphere, by A. B. Vol'pert, and A. I. Potemkin.
Zhur Eksper i Teoret Fiz, 17, 7 p., September, 1947. (In Russian).

The authors discuss the results of calculating the size of the poles of diffraction on an ideally conducting sphere as a function of its radius. Strictly mathematical with frequent reference to the work done by L. Mie. Discusses the phenomenon known as "Mie's Effect." Several graphs showing plotting of data received from calculations using the discussed formulae. TID

ZAKHAROV, B.A. (Moskva); POTEKHIN, A.M. (Moskva); YUDANOV, B.V. (Moskva)

Effectiveness of negative feedback in a logarithmic current amplifier.
Avtom. i telem. 26 no.9:1649-1650 S '65.

(MIRA 18:10)

POTEKHIN, A. V.

Kombinirovannaya kovka-shtampovka na krivoshipnykh pressakh. Pod obshchei
red. K. S. Ginzburga. Moskva, Mashgiz, 1950. 125 p. diagrs. (Novatory proizvodstva)

Bibliography: p. (124).

(Combined forging and punching on crank presses.)

DLC: TJ1255.P6

SO: Manufacturing and Mechanical Engineering in the Soviet Union,
Library of Congress, 1953.

POTEKHIN, A. V.

Combined forging-punching press in crankshaft manufacture Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1950. 125 p. (Novatory proi. vod-stva) (51-38560)

TJ1255.P6

POTEKHIN, A. V.

TJ1160.A34

TREASURE ISLAND BOOK REVIEW

AID 866 - S

POTEKHIN, A. V.

KOMBINIROVANNAYA KOVKA I SHTAMPOVKA NA KRIVOSHIPNYKH PRESSAKH V USLOVIYAKH MELKOSERIYNOGO PROIZVODSTVA (Combined Forging and Stamping by Crankshaft Presses in Limited Serial Production). In Akademiya Nauk SSSR. Peredovoy opyt novatorov mashinostroyeniya (Progressive Experience of Leading Men in the Machine-Building Industry) 1954. Part II: Peredovaya tekhnologiya liteynogo proizvodstva, obrabotki davleniyem i svarki (Advanced Technique in Foundry Casting, Metal Pressing, and Welding). p. 188-199.

The author describes successful application of an advanced combined method of forging and stamping certain parts which are used in cranes, excavators and similar machines. He describes the new process, the powerful crankshaft presses which do forging and stamping simultaneously, and the advantages of this new method in replacing the heavy hammers in limited serial production. The forging of rings large in diameter and height, the forging of a shaft for a worm reductor, the combined forging and stamping of bevel gears and other parts such as clutch couplings are described. The Leningrad Machine Plant of the Ministry for the Petroleum Industry has introduced several hundred practices of combined forging and stamping, which allow substantial savings. Thirteen drawings and one table.

1/1

POTTEKHIN, Aleksandr Vladimirovich, laureat Stalinskoy premii;
CHERNOV, A.L., redaktor; ISLENT'YEVA, P.G., tekhnicheskiy
redaktor.

[New methods in the technology of forging] Novoe v tekhnologii
kuznechno-shtampovogo dela. Moskva, Izd-vo "Znanie," 1955.
23 p. (Vsesoiuznoe obshchestvo po rasprostraneniu politicheskikh i nauchnykh znaniy. Ser.4, no.28) (MLRA 8:10)
(Forging)

7-5-55 P.A.

which the air oxidation of gasoline is carried out. The storage stability is detd. from the time required for the appearance of turbidity which is observed visually

11/1/55

POTEKHIN, B.A.

✓5090. NEW APPARATUS FOR DETERMINING CHEMICAL STABILITY OF LEADED
AVIATION GASOLINES. POTEKHIN, B.A., MIRONOV, G.M. and ROZDOLY, I.V.
(Nov. Nefte. Tekh., Neftepromyshl. (News Petrol. Technol., Treatment, Moscow),
1956, (5), 20-22; abstr. in Ref. Zh. Khim. (Ref. J. Chem., Moscow), 1957,
171, 24297). The apparatus and method are described in Fuel Abstr.,
1957, vol. 21, 5679. They can also be used on ethyl fluid, jet fuels and
motor vehicle gasolines containing thermally cracked components.

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JMB
Ally

SOV/112-57-5-10736

Translation from: Referativnyy zhurnal, Elektrotehnika, 1957, Nr 5, p 163 (USSR)

AUTHOR: Potekhin, B. A., Mininzon, G. M., Rozhkov, I. V.

TITLE: New Instruments for Determining Chemical Stability of Ethylated Aviation Gasolines (Novyy pribor dlya opredeleniya khimicheskoy stabil'nosti etilirovannykh aviatsionnykh benzinov)

PERIODICAL: Novosti nef. tekhniki. Neftepererabotka, 1956, Nr 5, pp 20-22

ABSTRACT: Bibliographic entry.

Card 1/1

ПОТЕХИН, Б.А.

ROZHKOV, I.V.; SHIMOVAYEV, G.S.; KORNILOVA, Ye.N.; POTEKHIN, B.A.

Method for evaluating chemical stability of ethylated
aviation gasoline. Khim. i tekhn. topl. i masel no.1:59-
66 Ja '57.

(MLRA 10:2)

1. Nauchno-issledovatel'skiy institut goryuche-smazochnykh
materialov.

(Airplanes--Fuel)

POTEKHIN, B.A.: KONDRATOV, V.M.

Deformations during the heat treatment of low-module gear. Metalloved.
i term. obr. met. no.9:48-49 S '64. (MIRA 17:11)

1. Ural'skiy politekhnicheskiy institut.

L 62600-65 EWP(z)/ENT(m)/ENP(b)/T/EWA(d)/ENP(t) MJW/JD

ACCESSION NR: AP5018180

UR/0148/65/000/007/0155/0160

669.15-194:669.26'74:621.785.6

21
20
B

AUTHOR: Bogachev, I. N.; Budrin, D. V.; Kondratov, V. M.; Potekhin, B. A.

TITLE: Complex method of determining the hardenability of austenitic steels

SOURCE: VIUZ. Chernaya metallurgiya, no. 7, 1965, 155-160

TOPIC TAGS: steel hardenability, austenite, steel quenching, steel hardening/30Kh10G10 steel

ABSTRACT: By hardenability of austenitic steels is meant the distance from the cooled surface at which a purely austenitic structure or a desired set of mechanical properties can be obtained. The hardenability of austenitic steels should not be characterized by the hardness alone; in determining the hardenability of the unstable austenitic steel 30Kh10G10, the authors used a complex method which involved a determination of the depth of the hardened layer from the mechanical properties, form of the break, microstructure, and phase composition obtained by x-ray analysis. In order to obtain high mechanical properties in cast 30Kh10G10 steel at the greatest possible depth, various heat treatments were carried out in which specimens in the form of plates were subjected to end-quenching with a sprayer. The depth of hardenability was found to be 64 mm. No carbides were present

Card 1/2

L 62600-65

ACCESSION NR: AP5018180

down to a depth of 88 mm. The results show that the method employed makes it possible to determine accurately the boundary of the hardened layer in austenitic steels. It was found that the structure of cast 30Kh10G10 steel consists of austenite and a certain amount of α phase, ϵ phase, and carbides, which reduce its resistance to cavitation. Cooling in a sprayer as compared to cooling in stationary water can increase the depth of the hardened layer by a factor of 1.6. Orig. art. has: 5 figures and 1 table.

ASSOCIATION: Ural'skiy politekhnicheskiy institut (Ural'sk Polytechnic Institute)

SUBMITTED: 27Oct 64

ENCL:00

SUB CODE: MM

NO REF SOV: 007

OTHER: 001

Card

hpo
2/2

L 62601-65 EWP(z)/EWT(m)/EWP(b)/T/EMA(d)/EWP(w)/ENP(t) MJW/JD

ACCESSION NR: AP6018181

UR/0148/65/000/007/0161/0165
669,15-194:669.26'74:621.78

30
21
C

AUTHOR: Bogachev, I. N. ; Potekhin, B. A. ; Kondratov, V. M. ; Malinov, L. S.

TITLE: Effect of heat treatment on the mechanical properties of 30Kh10G10 austenitic steel

SOURCE: IVUZ. Chernaya metallurgiya, no. 7, 1965, 161-165

TOPIC TAGS: steel hardening, austenite, martensite, steel mechanical property, heat treatment, plastic deformation / 30Kh10G10 steel

ABSTRACT: The study is concerned with finding the best heat treatment conditions for producing superior mechanical properties in 30Kh10G10 cast steel; for comparison, the mechanical properties of forged pieces were tested. The mechanical properties of cast and forged specimens were improved through a combined heat treatment (quenching from 1100C, again at 800C, cooling in water, and quenching again from 1100C) which raised the tensile strength by a factor of almost two and the plastic characteristics by a factor of three as compared to the cast state. The phenomena occurring during the heat treatment are described. The formation of martensite during deformation in the presence of an austenitic structure in the original state causes an increase in plasticity and a

Card 1/2

L 62601-65

ACCESSION NR: AP5018181

lowering of the yield point; if a considerable amount of martensite is obtained in the original structure by heat treatment or in the course of flow cooling of the casting, the steel has a high yield point and a reduced plasticity. The second quenching from 1100C after aging markedly improves the mechanical properties of the cast steel as a result of fragmentation of the grain. Unstable Fe-Mn austenitic steels such as 30Kh10G10 display a marked rise in yield point even under slight plastic deformation; thus, deformation by 1.5% stretching raises the yield point of 30Kh10G10 by 25%. This property must be considered in designing machine parts made of this steel. Orig. art. has: 2 figures and 4 tables.

ASSOCIATION: Ural'skiy politekhnicheskiy institut (Ural'sk Polytechnic Institute)

SUBMITTED: 16Mar65

ENCL: 00

SUB CODE: MM

NO REF SOV: 005

OTHER: 003

Card

2/2

I 26667-66 EWT(a)/EWP(w)/EWA(d)/T/EWP(t) LJP(s) JD

ACC NR: AP6010413

SOURCE CODE: UR/0126/66/021/003/0472/0474

AUTHORS: Bogachev, I. N.; Filippov, M. A.; Potekhin, B. A.

ORG: Ural Polytechnic Institute im. S. M. Kirov (Ural'skiy politekhnicheskii institut)

TITLE: Investigation of plasticity of several austenitic steels subject to high velocity loads

SOURCE: Fizika metallov i metallovedeniye, v. 21, no. 3, 1966, 472-474
elongation, plasticity, material deformation, martensitic transformation,
TOPIC TAGS: steel, austenitic steel, martensite / N28 steel, 40N25 steel, 2Kh18N9 steel, 67Kh7N7 steel, 30Kh10G10 steel, 47Kh10G8 steel

ABSTRACT: The plasticity and onset of martensite rearrangement during dynamic and static elongation of the steels N28, 40N25, 2Kh18N9, 67Kh7N7, 30Kh10G10, and 47Kh10G8 was determined. The experimental procedure followed that described by G. M. Kraft (Response of Metals to High Velocity Deformation, ASM, N.Y., 1961). The fraction of martensite in the specimens after deformation was determined by a ballistic magnetometer. The experimental results are tabulated. It was found that maximum increase in plasticity during dynamic elongation occurs for those steels which show the largest increase in martensite conversion. The rate of propagation of plastic deformation in nonreinforced steels in the initial stages of deformation is determined by the rate of martensite conversion. Orig. art. has: 2 tables.

SUB CODE: 11,20 / SUBM DATE: 02Jun65 / ORIG REF: 004 / OTH REF: 001

Card 1/1 BLG

UDC: 534.222.2:620.172.22+669.15-194

L 32440-65 EWT(m)/ENA(d)/T/ENP(t)/ENP(b) IJP(c) MJW/JD/JG

ACCESSION NR: AP4044154

S/0126/64/018/002/0257/0262

AUTHORS: Potekhin, B.A.; Bogachev, I.N.

TITLE: Stress relaxation in chromium-manganese austenitic "30Kh10G10"
steel

SOURCE: Fizika metallov i metallovedeniye, v. 18, no. 2, 1964, 257-262

TOPIC TAGS: stress relief, cavitation resistance, chromium, manganese, austenitic steel

ABSTRACT: The steel specimens used in the investigation were 0.2 x 4 x 130 mm in size and contained 0.27% C; 9.6% Mn, 9.1% Cr, 0.35% Si; 0.03% S and 0.03% P. In order to bring about a variety in the phase composition, a heat treatment was applied under conditions which excluded oxidation and decarburization. A comparison with specimens having a stable austenitic structure showed that the stress relaxation occurs more intensively in specimens with an unstable austenitic structure. Phase transformation enhanced the effectiveness of the stress relief heat treatment and stress was relieved during cooling to the temperature of liquid nitrogen.

Card 1/2

L 32440-65

ACCESSION NR: AP4044154

Primary stresses are relieved by 90% after heat treatment at 550 C and a two-hour holding period. It may be assumed that secondary stresses are also relieved to a considerable extent. Above 550 C cavitation strength decreased somewhat as a result of the formation of chromium carbides. At the same time, the structure became more stable. The high cavitation resistance is attributed, in part, to the relaxation of stresses during the formation of new phases under the effect of microimpact. Orig. art. has: 4 figures and 1 table.

ASSOCIATION: Ural'skiy politekhnicheskiy institut im. S.M. Kirova
(Urals Polytechnic Institute)

SUBMITTED: 12Aug63

ENCL: 00

SUB CODE: MM

NR REF SOV: 008

OTHER: 000

Cgrd 2/2

BALDINA, O.M., kandidat tekhnicheskikh nauk; BLINOV, Ye.I., inzhener,
POTEKHIN, B.N., inzhener.

Circulation in screens having forks. Zhek.sta.28 no.7:18-22 J1 '57
(MLRA 10:9)

(Boilers)

POTEKHIN, B.N.

2600. CIRCULATION IN FORKED BAFFLES. Valdina, O.M., Blinov, E.L. and Potekhin, B.N. (Elekt. Sta. (Par Sta., Moscow), July 1957, Vol. 28, 19-22). Calculation of circulation in forked baffles shows that these can function reliably when the number of water feed and steam exhaust pipes to the baffles does not exceed the number of pipes in the unforked baffles. In the design of forked baffles it is recommended that (a) in new constructions symmetrical forks should be used, connecting pipes of the same diameters: this aids fabrication, simplifies fixing, and minimizes risk of pipe displacement during operation; (b) with further screening of furnaces having baffles with a pitch not greater than two diameters, asymmetrical forks can be used; (c) at the extremities (the least heated baffle pipes) it is unnecessary to install forks.

C.E.A.

POTEKHIN, B. N.

Fuel Abstracts
May 1954
Steam Raising
and Steam
Engines

3765. ELIMINATION OF SLAGGING IN BOILER FURNACES. Glinov, E.I. and Potekhin, B.N. (Elekt. Sta. (Pwr Sta., Moscow), May 1953, vol. 24, 6-8). Unsatisfactory experience with the coal fuel in the furnaces of sectional boilers with cast iron clad baffles led to replacement of the latter by smooth-tubed open baffles and to increased heating surface through the insertion of additional tubes of smaller diameter. In such a reconstruction circulation efficiency must be tested by calculation and the original and additional tubes arranged on one plane. B.S.A.

1. YU. I. YU.

1977, I. YU. - "On the Medical Significance of the Change in the Stability of the Albumen Complex of Blood Serum in Pathological States of the Organism." (Kazan' State Med Inst, Kazan', 1975 (Lectures for Degree of Candidate of Medical Science))

10: Khishin, A. I. - 1977, Jan 1977, Moscow

POTEKHIN, D.Ye., doctent; SEDAL, N.N., kandi. med. nauk

Comparative evaluation of the rate of spread of the pulse wave in patients with atherosclerosis and rheumatic fever. Kaz. med. zhur. no.6:28-29 N-D '63.

(MIRA 17:16)

1. Filial kafedry gospi'tal'noy terapii (zav. - prof. A.G. Teregulov) Kazanskogo meditsinskogo instituta i laborateriya funktsional'noy diagnostiki 6-y gorodskoy klinicheskoy bol'nitsy (glavnyy vrach - Ye.V. Khmolevtseva), Kazan'.

PETROV, N.G.; KRUTOV, I.V.; POTEKHIN, G.S.

Effect of the length of delaying on the results of consecutive
blasting. Fiz. mekh. svois., dav. i razr. gor. porod. no.2:131-
137 '63.

(MIRA 17:1)

POTFKHIN, I., doktor istor.nauk

Peoples of Africa on a new course. Starsh.--serzh. no.2:38-39
F '62. (MIRA 15:4)

1. Direktor Instituta Afriki AN SSSR.
(Africa--Politics)

POTEKHIN, I. (gorod Simferopol').

Moving-picture shows for the Simferopol water reservoir construction workers. Kinomekhanik no.5:4 My '53.

(MLRA 6:6)

(Moving pictures)

POTEKHIN, F.N., zootekhnik; SKALOZUBOVA, Ye.N., zootekhnik

Cooperative poultry-raising sections serving several collective farms in Saratov Province. Ptitsevodstvo 9 no.10:
6-8 0 '59. (MIRA 13:2)
(Saratov Province--Poultry)

POTEKHIN, I.I.

Des Africanistes russes parlent de l'Afrique.

Paris, Presence Africaine, 1960.

289 p. tables.

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Includes bibliographies.

FRANKLIN, I.I.

Ethnology-- United States

Cosmopolitanism in American ethnography. Trudy Inst. etn. AN SSSR, No. 12, 1951

Monthly list of Russian Accessions, Library of Congress, March 1952. UNCLASSIFIED.

CLARK, D. A., ETHNOLOGY, T. F.

Ethnology--Great Britain

Functional school of ethnography in service of British Imperialism. Trudy Inst. etn.
AN SSSR, No. 12, 1951.

9. Monthly List of Russian Accessions, Library of Congress, March 195⁷/₂, Uncl.

POTSENIK, I. I.,

Zulus

Military democracy among the Matabele. Trudy Inst. etn. AN SSSR 14, 1951.

9. Monthly List of Russian Accessions, Library of Congress, April 1952 ~~1953~~, Uncl.

POTEKHIN, I.

Africa, Central-Ethnology

Peoples of Africa ("Seven tribes of British Central Africa." Elizabeth Colson, Max Gluckman, eds. Reviewed by I. Potekhin) Sov. etn. No. 2, 1952.

Monthly List of Russian Accessions. Library of Congress, September 1952. UNCLASSIFIED.

1. OL'DEROGGE, D.A.; POTEKHIN, I.I.
2. USSR (600)
4. Africa, West - Ethnic Types
7. Ethnic composition of the present-day population of western Equatorial Africa,
D.A. Ol'derogge, I.I. Potekhin, Sov.etn. no. 1, 1953.
9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953. Unclassified.

POTEKHIN, I.I.

New tasks for ethnology in the light of I.V. Stalin's "Economic problems
of socialism in the U.S.S.R. Sov.etn. no.2:10-20 '53. (MLRA 6:6)
(Stalin, Iosif, 1879-1953) (Ethnology)

HANZEKA, Jiri; ZIKMUND, Miroslav; YEZHOV, V.D. [translator]; POTEKHIN, I.N.,
redaktor; RUBINSHTEYN, G.I., redaktor; FEL'DMAN, O.I., redaktor;
NIKIFOROVA, A.N., tekhnicheskii redaktor

[Africa of dreams and of reality. Translated from the Czech] Afrika
grez i deistvitel'nosti. Perevod s cheshskogo V.D.Ezhova. Red. I.I.
Potekhina. Moskva, Izd-vo inostrannoi lit-ry, 1956. 277 p. (MLRA 9:12)
(Africa--Description and travel)

POTEKHIN, Ivan Izosimovich

(Inst of Ethnography imeni Miklukho-Makho Acad Sci USSR), Academic degree of Doctor of Historical Sciences, based on his defense, 16 May 1955, in the Council of the Inst of Oriental Studies, Acad Sci USSR, of his dissertation entitled: "The formation of a national community of the South African Bantu tribes."

Academic degree and/or title: Doctor of Sciences

SO: Decisions of VAK, List no. 17, 9 Jul 55, Byulleten' MVO SSR, No. 17, Sept 56, Moscow, pp 9-16, Uncl. JPRS/NY-435

HANZEIKA, Jiri; ZIKMUND, Miroslav; ROZOVA, S.I. [translator]; POTEMKIN, I.I.,
redaktor; RUBINSHTEYN, G.I., redaktor; FEL'DMAN, O.I., redaktor;
NIKIFOROVA, A.N., tekhnicheskii redaktor

[Africa of dream and of reality. Translated from the Czech] Afrika
grez i deistvitel'nosti. Perevod s cheshskogo S.I.Rozovoi. Moskva,
Izd-vo inostrannoi lit-ry. Vol.2. 1956. 314 p. (MLRA 10:3)
(Africa--Description and travel)

POTEKHIN, I.I.

USSR/General Division. Congresses. Sessions. Conferences.

A-4

Abs Jour: Ref. Zh.-Biol., No 17, 1957, 72422

Author : I.I. Potekhin

Inst :

Title : International Congress of Anthropologists and Ethnographers

Orig Pub: Vest. AN SSSR, 1956, No 12, 86-88

Abstract: More than 50 countries, amongst them the USSR, participated in the work of the congress in Philadelphia (USA) Sept 1 - 9, 1956. In the plenary meetings and in 23 sections, ~ 300 reports were presented on ethnography, physical anthropology and archaeology. The Soviet scientists reported on the condition and basic trends of ethnography, the development of physical anthropology, results of paleanthropological investigations and a study of the history of agriculture in the USSR, etc. The work of the English specialists was noted for an interest in thorough theoretical studies and broad scientific generalizations of factual material. The

Card : 1/2

-3-

POTEKHIN, I.I., doktor ist.nauk, otvetstvennyy red.; ZOPOVA, Yu.N., red.
izd-va; TSVETKOVA, S.V., tekhn.red.

[Africa south of the Sahara; its economy and history] Afrika
iuzhnoe Sakhary; voprosy ekonomiki i istorii. Moskva, Izd-vo
vostochnoi lit-ry, 1958. 268 p. (MIRA 11:7)

1. Akademiya nauk SSSR. Institut vostokovedeniya.
(Africa--Economic conditions)

STANLEY, Sir Henry Morton (1841-1904); POTEKHIN, I.I. [translator]

[In darkest Africa] V debriakh Afriki. Moskva, Gos.izd-vo
geogr.lit-ry, 1958. 444 p. Translated from the English.
(MIRA 13:12)
(Africa, Central--Discovery and exploration)

AUTHOR: Potekhin, I. I., Doctor of Historical Sciences 30-58-5-25/36

TITLE: In the New African State (V novom afrikanskom gosudarstve)

PERIODICAL: Vestnik Akademii Nauk SSSR, 1958, Nr 5, pp. 114-117 (USSR)

ABSTRACT: In October last year the author visited this country at the invitation of the Dean of the Economic Faculty of the University of Ghana, Professor I. V. Williams. It was his aim to collect material for a book on the history of the fight of the peoples of the Gold Coast for their national independence. He spent 3 months there as a guest of the university. Further he describes his impressions. The University of Ghana was founded in the year 1948 as a College of the London University. The university possesses faculties for theology, agriculture, biology, physics and others. The teachers mainly are foreigners from Europe and the USA. The two native scientists Professor K. A. Busiya and Doctor I. V. Dankva

Card 1/4

In the New African State

30-58 -5-25/36

at present entered into political activity. Scientific societies were founded of which the author only became acquainted with those of history and economics. Periodicals are edited, too. The Basle Protesant Mission established the literary form of the Akan language. The author was the first Soviet scientist to visit Ghana and with few exceptions he was well received and supported in his work. Great help was given to him on the part of the functionaries of the National Archives. Doctor I. V. Dankva permitted him to work in his personal archives on the history of the fights of liberation of the peoples of the Gold Coast after world War II. The university placed a car at his disposal with which he made several longer journeys in the country. Thus he could collect material on the mining industry and the position of the miners and talk with many persons. The problems of Ghana are called great and difficult by the author. In 1948 less than 5 % of the entire population were able to read and write and at present they are supposed to amount to 10 %. The country at present is economically further

Card 2/4

In the New African State

30-58-5-25/36

dependent on England. The domestic political situation is complicated, strong conservative forces exist. At the end the author stated that he used his stay in Ghana to propagate the truth on the Soviet Union. The management of the People's Party (Pediako Poku), the broadcasting director I. B. Millar and others aided him in this respect. He held public lectures on the Soviet Union and spoke seven times on the radio of the life of the Soviet people, where about 2,500 persons are supposed to have been present at one of his lectures (achievements of the Soviet Union in the 40 Years Revolution) in Accra, the capital of Ghana. For the teachers and students of the university he held 4 lectures: "The Historical Materialism of Social-Economic Formation"; "Some Methodological Considerations on the Elaboration of the Problem of the Formation of Nations in Africa, South of the Sahara "; "The Formation and Development of National Capital at the Gold Coast"; "Africa Research in the Soviet Union".

Card 3/4

In the New African State

30-58-5-25/36

1. Social sciences--Africa
2. Political sciences--Africa
3. Universities--Africa

Card 4/4

POTEKHIN, Ivan Izosimovich, etnograf; LAVRENT'YEVA, Ye.V., red.;
GOLITSYN, A.V., red.kart; GLEYKH, D.A., tekhn.red.

[Ghana today; a diary, 1957] Gana segodnia; dnevnik,
1957 g. Moskva, Gos.izd-vo geogr.lit-ry, 1959. 157 p.

(MIRA 12:6)

(Ghana--Description and travel)

POPEV, Ivan Iosifovich

Afrika Smolit V Rudskoye. Moskva, Izd-vo
Vostochnoy Literatury, 1960.

25 p.

At head of title: Akademiya Nauk SSSR. Institut
Afriki.

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POTEKHIN, I.I., otv. red.; PANAS'YANTS, M.D., red.

[Agrarian problem and the peasantry in tropical Africa]
Agrarnyi vopros i krest'ianstvo v tropicheskoi Afrike.
Moskva, Nauka, 1964. 315 p. (MIRA 17:10)

1. Akademiya nauk SSSR. Institut Afriki.

CHERKASSKIY, Ye.S., prof.; POTEKHIN, I.I., doktor istor.nauk

Anniversary of the Veterinary University in Hungary. Vest.AN
SSSR 33 no.2:107 F '63. (MIRA 16:2)
(Budapest—Veterinary colleges)

POTEKHIN, I.I., glav. red.; BARANOV, A.N., red.; BELYAYEV, Ye.A., red.;
GEILER, S.Yu., red.; GRAVE, L.I., st. nauchnyy red.; GRIGOR'YEV,
A.A., red.; GUBER, A.A., red.; KULAGIN, G.D., red.; MALIK, Ya.A.,
red. MANCHKHA, P.I., red.; MILOVANOV, I.V., red.; NERSESOV, G.A.,
red.; OL'DEROGGE, D.A., red.; ORLOVA, A.S., red.; POPOV, K.M.,
red. ROZIN, M.S., kand. ekon. nauk, red.; SMIRNOV, S.R., red.;
UFIMOV, I.S., red.; SHVEDOV, A.A., red.; YASTREBOVA, I.P., red.;
PAVLOVA, T.I., tekhn. red.

[Africa; encyclopedia] Afrika; entsiklopedicheskiy spravochnik.
Glav. red. I.I.Potekhin. Chleny red. kollegii: A.N.Baranov i dr.
Moskva, Vol.1. A - L. 1963. 474 p. (MIRA 16:4)

1. Sovetskaya entsiklopediya, Gosudarstvennoye nauchnoye izdatel'-
stvo, Moscow.

(Africa—Dictionaries and encyclopedias)

LENTIN, Albert Paul; VOLK, S.I.[translator]; POTEKHWIN, I.I., red.

[Senegal today]Senegal segodnia. Moskva, Izd-vo vostochnoi
lit-ry, 1961. 68 p. Translated from the English.

(MIRA 15:9)

(Senegal--Description and travel)

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POTEKHIN, I.I.

"Problems of economic independence of African countries."

Report presented at the First Intl. Congress of Africanists
Univ. of Ghana Dec 11-17 1962

POTEKHIN, I.I., doktor istor.nauk

In anticipation of the first international congress of Africanists.
Vest. AN SSSR 32 no.2, 88-89 F '62. (MIRA 15:2)
(African studies—Congresses)

BOCHKAREV, Yu.A., zhurnalist-mezhdunarodnik; BRYKIN, V.A., red.; MILOVA-
NOV, I.V., red.; POTEKHIN, I.I., red.; SHVEDOV, A.A., red.; ALEN-
T'YEVA, N., red.; DANILINA, A., tekhn. red.

[Guinea today; from a journalist's notebook] Gvineia segodnia; iz
zapisnoi knizhki zhurnalista. Moskva, Gos. izd-vo polit. lit-ry,
1961. 86 p. (MIRA 14:8)
(Guinea—Politics and government) (Guinea—Economic conditions)

ABRAMOV, Aleksey Sergeyevich; MILOVANOV, I.V., red.; ~~POTEKHIN~~, I.I., red.;
SHVEDOV, A.A., red.; VADEYEV, O., red.; KLIMOVA, T., tekhn. red.

[Ethiopia, a country that has not been brought to its knees]
Efiofiia - strana, ne vstavshaia na koleni. Moskva, Gos. izd-vo
polit. lit-ry, 1961. 108 p. (MIRA 14:8)
(Ethiopia--Description and travel)

ORESTOV, Oleg Leonidovich; MILOVANOV, I.V., red.; POTEKHIN, I.I., red.;
SHVEDOV, A.A., red.; ALENT'YEVA, N., red.; KLIMOVA, T.,
tekhn.red.

[In the Republic of Ghana; a journalist's notes] V Respublike
Gana; zapiski zhurnalista. Moskva, Gos.izd-vo polit.lit-ry,
1961. 95 p. (MIRA 14:6)
(Ghana)

PROZHOGIN, Nikolay Pavlovich, zhurnalist-mezhdunarodnik; VADEYEV, O., red.;
MILOVANOV, I.V., red.; POTEKHIN, I.I., red.; SHVEDOV, A.A., red.;
DANILINA, A., tekhn.red.

[Good morning, Africa!] Dobrogo utra, Afrika! Moskva, Gos.izd-vo
polit.lit-ry, 1961. 148 p. (MIRA 14:6)

1. Korrespondent gazety "Pravda" v Afrike (for Prozhogin).
(Africa)

POTEKHIN, IVAN IZOSIMOVICH

Africa looks to the future. Moscow, Academy of Science of the USSR, African Institute, 1960.

47 L.

Translated from the original Russian: Afrika smotrit v budushcheye, Moscow 1960.

POTEKHIN, K. A.

KAZ'IM BALASHOV, A.I.; POTEKHIN, K.A.

Thirty-fifth anniversary of the State Institute for the Planning
of Special Industrial Structures. Vod. 1 san. tekhn. no. 3:39-40
Mr '58. (MIRA 11:3)

(Civil engineering)

BALASHOV, A.I., inzhener; POTEKHIN, K.A., inzhener.

Perfect the water-supply system for edge-water drive. Stroi.pred.
neft.prom.2 no.10:22-24 0 '57. (MIRA 10:10)
(Water supply) (Oil field flooding)

IVANOV, N. P.; KOSTENKO, M. P.; KAZOVSKIY, E. I.; STANISLAVSKIY, L. I.; POTEKHIN, K. F. 5

"Large Modern Highly Utilized Turbine and Waterwheel Generators, Their Cooling Systems, Characteristics and Parameters."

Large
report submitted for Intl Conf on/Electric Systems, 20th Biennial Session, Paris,
1-10 Jun 64.

KOLPAKOV, M.G.; POTEKHIN, K.G.; FEDENKOV, V.I.

Mechanism of the eosinopenic reaction in terminal states. Biul.
eksp.biol.i med. 54 no.11:36-39 N '62. (MIRA 15:12)

1. Iz kursa patologicheskoy fizologii i laboratornoy diagnostiki
(zav. - dotsent M.G.Kolpakov) Novokuznetskogo instituta usover-
shenstvovaniya vrachey. Predstavlena akademikom V.N.Chernigovskim.
(EOSINOPHILES) (DEATH, APPARENT)

GOL'DBERG, Ye.D.; GOLOSOV, O.S.; POTEKHIN, K.G.

Hematological indices in workers of roentgenological and radiological departments. Med.rad. no.5:49-54 '61. (MIRA 14:11)

1. Iz kafedry patofiziologii Tomskogo meditsinskogo instituta i travmatologicheskoy bol'nitsy Prokop'yevskaya.
(BLOOD CELLS--RADIOGRAPHY) (RADIOLOGISTS)

DZYUBA, M.Ye., red.; POTEKHIN, M.M., red.; AFANAS'YEV, N.Ye., red.;
KOMOV, V.Ye., red.; SOLDATOV, I.I., red.; NEMYTOV, V., tekhn.red.

[Forty years; development of the economy and culture of Orlov
Province] Za sorok let; materialy o razvitii ekonomiki i kul'tury
Orlovskoi oblasti. Orel, Izd-vo "Orlovskaya pravda," 1957. 241 p.
(MIRA 11:5)

(Orlov Province--Economic conditions)

EE943

H/021/62/000/006/001/002

D296/D307

AUTHORS: Gol'dberg, Ye.D., Golosov, O.S. and Potekhin, K.G.
TITLE: Hematological indices found in X-ray and radiotherapy departmental staff
PERIODICAL: Magyar Radiologia, no. 6, 1962, 321-326

TEXT: The authors analyzed the blood of 130 patients exposed to continuous small doses of ionizing radiation by reason of their occupation, and of 75 healthy control subjects not previously exposed to radiation. It was found that the staff of X-ray and radiotherapy departments were on the average exposed to a daily dose of 0.02 - 0.03 r. Some of the subjects complained of occasional headaches, tiredness, and in a few cases skin changes, pigmentations and loss of hair could be observed. In 17% of the exposed persons the white cell count was decreased and in 6.1% it was increased. Among the staff of radiotherapy departments, neutropenia was found in 90.9% of those who worked in these departments for less than 5 years, but only in 75% of those working for more than 5 years. A

Card 1/2

POTEKHIN, L.

Each ruble should be spent to profit business. Fin. SSSR 23
no.8:52-56 Ag '62. (MIPA 15:2)

1. Zamestitel' nachal'nika upravleniya Ministerstva finansov
RSFSR.

(Public institutions—Finance)

POTEKHIN, L.

Standards for expenditures of budget-financed enterprises. Fin.SSSR
17 no.4:25-28 Ap '56.

(Finance)

(MLRA 9:8)